



CALIFORNIA

Agricultural Bulletin

EDD Employment
Development
Department
State of California

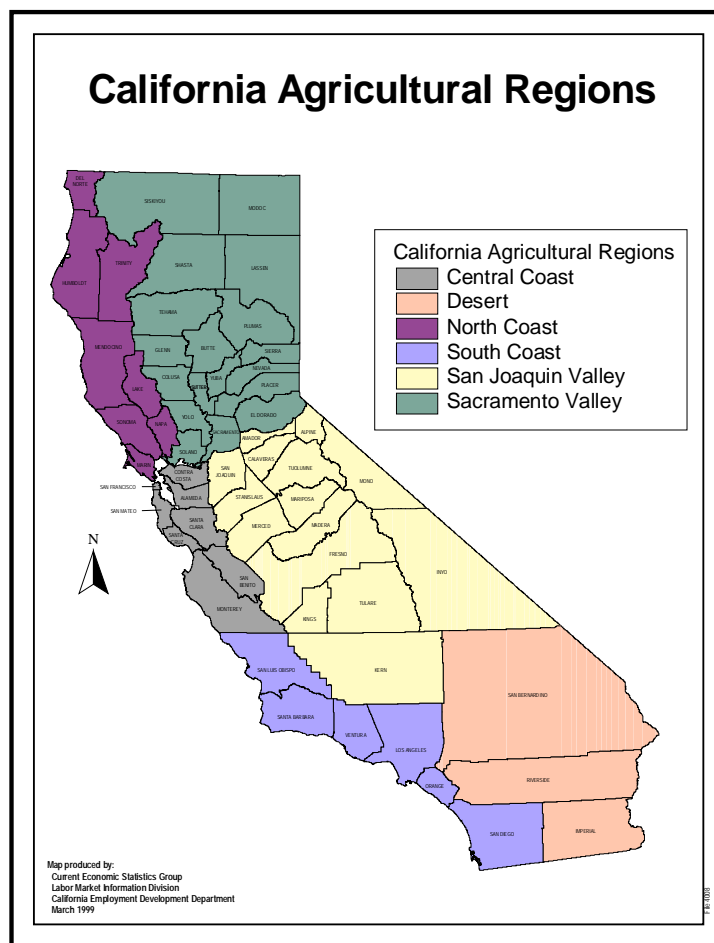
June 1999
(Internet Version)

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Agricultural Overview

This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
Labor Market Information Division
"Your Information Source"

Introduction

The June 1999 issue is the sixth California Agricultural Bulletin produced since December 1996. Prior to January 1997, the U.S. Department of Agriculture (USDA) and the Employment Development Department (EDD) conducted separate, overlapping agricultural labor surveys.

Beginning with January 1997 data, EDD in cooperation with the USDA and through a grant from the U.S. Department of Labor has instituted new methods to estimate current agricultural employment, as well as earnings and hours worked based on sampling according to a probabilistic model of selection. EDD will continue to benchmark agricultural employment data yearly. As a result of changes in sampling and estimating procedures, farm employment data prior to January 1997 may not be strictly comparable to current estimates.

Summary

California agricultural employment for June 1999 registered an increase of 21,200 jobs from the previous month, a gain of 5 percent. All of the increase was posted in Agricultural Services. A seasonal increase for the month of June is normal. The change in California agricultural employment from May 1998 to June 1998 was an increase of 37,500 jobs and gains were registered in Agricultural Production and Agricultural Services. From May 1999 to June 1999, Production/Crops registered a decrease of 4,200 jobs, a decline of 2 percent. Production/Livestock decreased by 4,100, a loss of 20 percent. Agricultural Services registered an increase of 29,500 jobs, a 15 percent gain. Total California Agricultural Employment for June 1999 decreased 13,000 jobs from the June 1998 level.

The San Joaquin Valley Region registered an increase of 1,600 jobs from May to June. Agricultural Services, in this region, increased by 7 percent while Agricultural Production decreased 6 percent from the previous month.

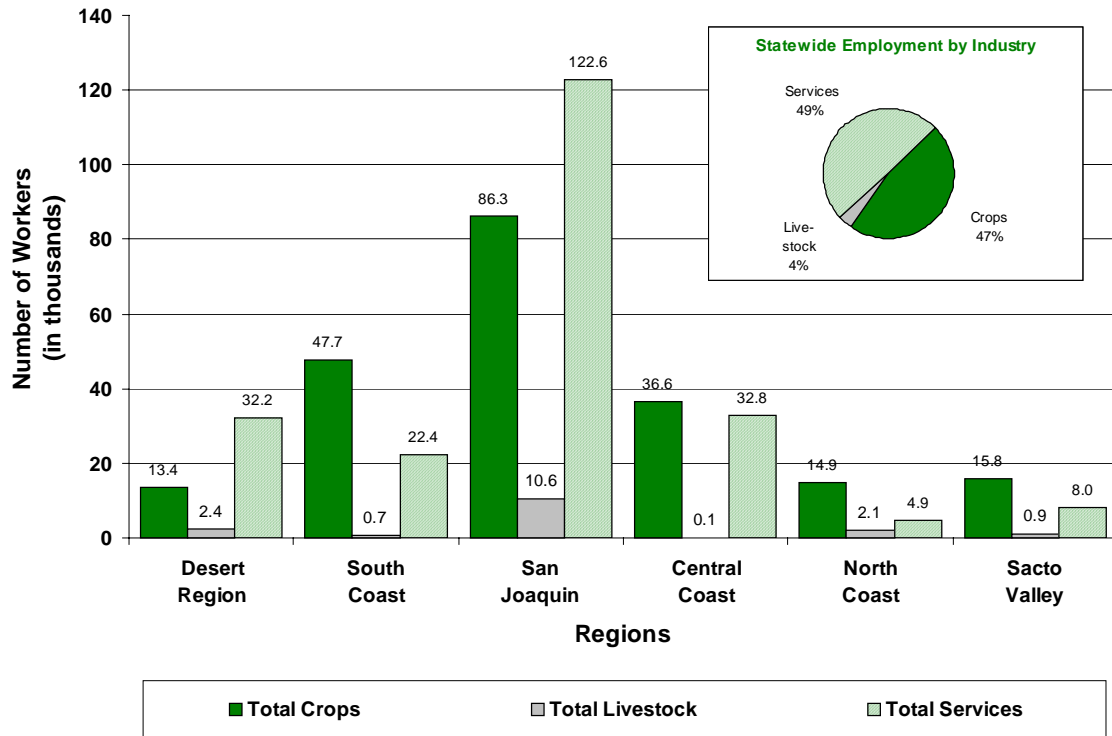
During the first week of June, moderate rainfall and scattered hailstorms delayed fieldwork in the San Joaquin and Sacramento valleys. By the end of the second week, however, fieldwork progressed normally under favorable conditions in most areas. Some rice planting continued in the San Joaquin Valley and tomatoes were still being planted in the Sacramento Valley. Seed corn and corn for silage was planted as well as new crop sugar beets, blackeye and lima beans. Potato and carrot fields were planted in the southern San Joaquin Valley. Small grains, alfalfa, and sudan grass were cut for hay. Vegetable and cotton fields were cultivated, irrigated, weeded, and sprayed for insects. Work crews harvested wheat grain, sugarbeets, artichokes, cauliflower, broccoli, cabbage, cilantro, leeks, potatoes, turnips, lettuce, onions, garlic, squash, snap beans, bok choy, sweet corn, and various greens.

Fruit thinning was still active in later stone fruit varieties and work crews were actively picking grapes, cherries, nectarines, apricots, plums, berries, and freestone peaches. Various melons were harvested in the Desert Region. Almond growers applied fungicides and miticides to orchards and grape growers applied sulfur and insecticides to vineyards. Valencia oranges and lemons were picked in southern California. Other cultural activities included irrigation and extensive weed control.

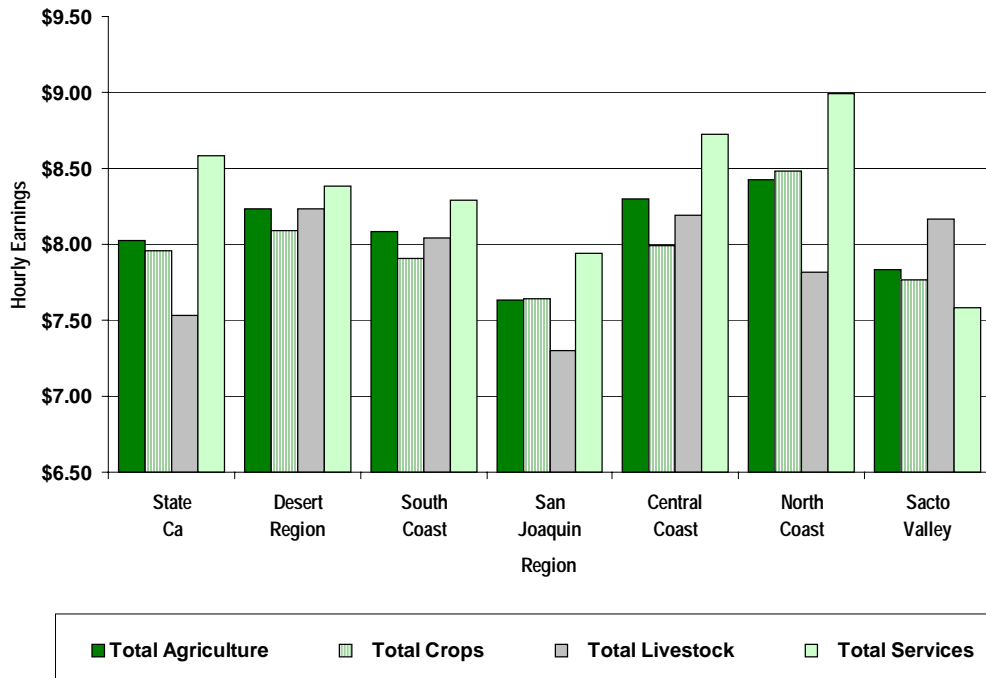
A few remaining cattle were moved from drying rangeland to summer pastures or to market.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Jun 1999	May 1999	Jun 1998
Total Agriculture	454.4	433.2	467.4
Total Agricultural Production/Crops	214.7	218.9	229.5
Cash Grains	1.4	2.1	2.5
Rice	0.6	1.2	1.6
Other Cash Grains	0.8	0.9	0.9
Field Crops Except Grains	12.1	15.5	13.9
Cotton	2.1	5.9	7.5
Other Field Crops	10.0	9.6	6.4
Vegetables and Melons	52.1	51.1	35.3
Total Fruits and Tree Nuts	90.2	88.7	111.9
Berries	25.0	24.1	26.1
Grapes	29.1	25.0	45.8
Tree Nuts	7.2	7.4	8.3
Citrus Fruits	1.5	2.3	4.7
Deciduous Tree Fruit	9.3	11.5	18.4
Other Fruits & Nuts	18.1	18.4	8.6
Total Horticultural Specialties	30.9	30.3	37.1
Ornamental Floral & Nursery	29.4	28.5	31.2
Food Crops Grown Under Cover	1.5	1.8	5.9
General Farm Primarily Crop	28.0	31.2	28.8
Agricultural Production/Livestock	16.8	20.9	32.5
Beef Cattle Feed Lots	1.2	1.4	0.5
Beef Cattle Except Feed Lots	0.9	1.1	3.3
Dairy Farms	7.8	7.3	15.1
Chicken Eggs	2.1	0.7	3.3
Turkey & Turkey Eggs	0.7	0.4	1.7
Other Livestock	4.1	10.0	8.6
Total Agricultural Services	222.9	193.4	205.4
Soil Preparation Services	1.5	1.7	2.2
Crop Services	50.8	46.0	53.2
Plant Cultivate & Protection	3.7	5.1	7.5
Harvest Primarily by Machine	10.0	7.6	7
Preparation Services for Market	36.8	32.9	38.1
Cotton Ginning	0.3	0.4	0.6
Total Farm Labor & Management	170.6	145.7	150.0
Farm Labor Contractors	157.2	138.7	140.9
Farm Management Services	13.4	7.0	9.1

Average Hourly Earnings
(In dollars per hour)

Industry	Jun 1999	May 1999	Jun 1998
Total Agriculture	8.02	8.10	7.44
Total Agricultural Production/Crops	7.96	7.92	7.07
Cash Grains	7.89	7.89	7.17
Rice	8.28	8.01	7.20
Other Cash Grains	7.49	7.78	7.15
Field Crops Except Grains	7.80	7.76	6.70
Cotton	7.64	7.48	6.57
Other Field Crops	7.96	8.03	6.82
Vegetables and Melons	7.97	8.06	7.55
Total Fruits and Tree Nuts	7.92	7.81	6.79
Berries	8.12	8.34	6.71
Grapes	8.20	7.73	6.92
Tree Nuts	7.94	7.56	6.72
Citrus Fruits	8.26	8.38	7.27
Deciduous Tree Fruit	7.25	7.15	6.35
Other Fruits & Nuts	7.78	7.68	6.74
Total Horticultural Specialties	8.27	8.18	7.53
Ornamental Floral & Nursery	8.27	8.41	6.99
Food Crops Grown Under Cover	8.27	7.95	8.06
General Farm Primarily Crop	7.89	7.81	6.67
Agricultural Production/Livestock	7.54	7.70	7.55
Beef Cattle Feed Lots	8.17	8.60	7.13
Beef Cattle Except Feed Lots	8.00	8.17	8.23
Dairy Farms	8.62	8.85	7.87
Chicken Eggs	6.23	6.27	7.08
Turkey & Turkey Eggs	5.90	6.03	7.60
Other Livestock	8.30	8.29	7.41
Total Agricultural Services	8.58	8.69	7.70
Soil Preparation Services	9.00	9.39	8.68
Crop Services	8.95	8.83	7.76
Plant Cultivate & Protection	8.27	8.59	7.46
Harvest Primarily by Machine	8.67	8.45	7.86
Preparation Services for Market	8.32	8.08	7.45
Cotton Ginning	10.55	10.19	8.26
Total Farm Labor & Management	7.79	7.84	6.66
Farm Labor Contractors	7.32	7.27	6.52
Farm Management Services	8.26	8.41	6.81

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Jun 1999	May 1999	Jun 1998
Total Agriculture	69.5	59.1	68.0
Total Agricultural Products/Crops	36.6	30.1	42.7
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	1.2	0.9	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	1.2	0.9	0.2
Vegetables and Melons	12.9	8.6	15.3
Total Fruits and Tree Nuts	10.0	8.4	15.7
Berries	8.5	7.8	13.3
Grapes	0.1	0.1	1.3
Tree Nuts	1.0	0.3	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.4	0.2	0.7
Other Fruits & Nuts	0.0	0.0	0.2
Total Horticultural Specialties	11.3	9.2	9.1
Ornamental Floral & Nursery	11.3	8.9	7.0
Food Crops Grown Under Cover	0.0	0.3	2.1
General Farm Primarily Crop	1.2	3.0	2.4
Agricultural Production/Livestock	0.1	0.2	1.0
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.4
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.1	0.2	0.3
Total Agricultural Services	32.8	28.8	24.3
Soil Preparation Services	0.1	0.5	1.1
Crop Services	14.5	11.3	10.6
Plant Cultivate & Protection	0.3	0.0	0.8
Harvest Primarily by Machine	6.4	4.0	1.6
Preparation Services for Market	7.8	7.3	8.2
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	18.2	17.0	12.6
Farm Labor Contractors	18.1	16.2	11.7
Farm Management Services	0.1	0.8	0.9

na = not available

Average Hourly Earnings
(In dollars per hour)

Industry	Jun 1999	May 1999	Jun 1998
Total Agriculture	8.30	8.34	7.70
Total Agricultural Products/Crops	7.99	8.00	7.58
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.23	8.23	6.75
Cotton	na	na	na
Other Field Crops	8.23	8.23	6.75
Vegetables and Melons	8.05	8.22	8.19
Total Fruits and Tree Nuts	8.31	7.79	7.18
Berries	8.15	7.97	7.20
Grapes	8.50	7.40	6.75
Tree Nuts	8.14	7.77	7.45
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.44	8.02	6.62
Other Fruits & Nuts	na	na	7.87
Total Horticultural Specialties	7.96	8.37	7.79
Ornamental Floral & Nursery	7.96	8.24	7.13
Food Crops Grown Under Cover	na	8.49	8.45
General Farm Primarily Crop	7.42	7.38	7.15
Agricultural Production/Livestock	8.19	8.15	7.62
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	8.00
Dairy Farms	na	na	7.85
Chicken Eggs	na	na	7.00
Turkey & Turkey Eggs	na	na	7.55
Other Livestock	8.19	8.15	7.70
Total Agricultural Services	8.73	8.88	7.89
Soil Preparation Services	9.40	9.51	8.75
Crop Services	8.83	8.97	8.03
Plant Cultivate & Protection	8.63	na	7.70
Harvest Primarily by Machine	9.37	9.18	8.08
Preparation Services for Market	8.50	8.75	8.30
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.95	8.15	6.90
Farm Labor Contractors	7.23	6.95	6.80
Farm Management Services	8.67	9.35	7.00

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 1999	May 1999	Jun 1998
Total Agriculture	48.0	35.8	50.1
Total Agricultural Production/Crops	13.4	10.3	18.8
Cash Grains	0.2	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.2	0.0	0.1
Field Crops Except Grains	1.1	1.3	1.9
Cotton	0.2	0.2	0.0
Other Field Crops	0.9	1.1	1.9
Vegetables and Melons	0.5	0.4	2.2
Total Fruits and Tree Nuts	7.7	5.9	10.7
Berries	0.6	0.0	0.2
Grapes	1.5	0.6	8.5
Tree Nuts	0.1	0.1	0.1
Citrus Fruits	0.0	0.0	0.6
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	5.5	5.2	1.2
Total Horticultural Specialties	2.1	0.7	3.5
Ornamental Floral & Nursery	1.7	0.7	1.1
Food Crops Grown Under Cover	0.4	0.0	2.4
General Farm Primarily Crop	1.8	2.0	0.4
Agricultural Production/Livestock	2.4	3.0	5.6
Beef Cattle Feed Lots	0.2	0.2	0.3
Beef Cattle Except Feed Lots	0.1	0.1	0.5
Dairy Farms	0.5	1.3	2.9
Chicken Eggs	1.0	0.0	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.6	1.4	0.7
Total Agricultural Services	32.2	22.5	25.7
Soil Preparation Services	0.4	0.3	0.2
Crop Services	5.0	1.5	7.6
Plant Cultivate & Protection	0.1	0.9	0.8
Harvest Primarily by Machine	0.8	0.6	1.9
Preparation Services for Market	4.1	0.0	4.9
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	26.8	20.7	17.9
Farm Labor Contractors	25.0	19.6	16.6
Farm Management Services	1.8	1.1	1.3

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Jun 1999	May 1999	Jun 1998
Total Agriculture	8.24	8.29	7.24
Total Agricultural Production/Crops	8.09	7.81	6.87
Cash Grains	7.48	na	6.80
Rice	na	na	na
Other Cash Grains	7.48	na	6.80
Field Crops Except Grains	7.73	8.09	6.60
Cotton	7.49	8.24	na
Other Field Crops	7.97	7.93	6.60
Vegetables and Melons	8.18	6.93	6.99
Total Fruits and Tree Nuts	8.22	7.64	6.58
Berries	7.91	na	6.16
Grapes	8.12	7.33	7.00
Tree Nuts	8.01	7.00	6.20
Citrus Fruits	na	na	7.08
Deciduous Tree Fruit	na	na	6.30
Other Fruits & Nuts	8.83	8.58	6.75
Total Horticultural Specialties	8.84	8.49	7.21
Ornamental Floral & Nursery	8.73	8.49	6.42
Food Crops Grown Under Cover	8.94	na	8.00
General Farm Primarily Crop	8.11	7.90	7.02
Agricultural Production/Livestock	8.23	8.50	7.59
Beef Cattle Feed Lots	7.66	7.25	7.00
Beef Cattle Except Feed Lots	8.54	8.54	8.00
Dairy Farms	9.67	9.71	9.05
Chicken Eggs	6.61	na	6.80
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.69	8.50	7.09
Total Agricultural Services	8.39	8.57	7.28
Soil Preparation Services	9.28	9.70	8.45
Crop Services	8.45	8.41	6.70
Plant Cultivate & Protection	8.90	8.89	6.75
Harvest Primarily by Machine	8.01	7.92	6.52
Preparation Services for Market	8.44	na	6.82
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.43	7.60	6.69
Farm Labor Contractors	7.76	8.08	6.60
Farm Management Services	7.09	7.11	6.77

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Jun 1999	May 1999	Jun 1998
Total Agriculture	21.9	19.4	22.0
Total Agricultural Production/Crops	14.9	14.0	12.2
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.0
Vegetables and Melons	6.0	6.7	0.3
Total Fruits and Tree Nuts	8.1	6.4	9.9
Berries	0.0	0.0	0.0
Grapes	7.2	5.8	8.7
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.5	0.6	0.9
Other Fruits & Nuts	0.4	0.0	0.2
Total Horticultural Specialties	0.7	0.8	1.7
Ornamental Floral & Nursery	0.7	0.8	1.6
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	0.1	0.1	0.3
Agricultural Production/Livestock	2.1	3.0	7.2
Beef Cattle Feed Lots	0.0	0.1	0.0
Beef Cattle Except Feed Lots	0.3	0.2	0.2
Dairy Farms	0.5	0.9	1.0
Chicken Eggs	0.0	0.0	1.0
Turkey & Turkey Eggs	0.0	0.0	1.0
Other Livestock	1.3	1.8	4.0
Total Agricultural Services	4.9	2.4	2.6
Soil Preparation Services	0.3	0.2	0.0
Crop Services	0.2	0.2	0.1
Plant Cultivate & Protection	0.0	0.0	0.0
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.2	0.2	0.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	4.4	2.0	2.5
Farm Labor Contractors	1.8	0.8	1.1
Farm Management Services	2.6	1.2	1.4

Industry	Jun 1999	May 1999	May 1998
Total Agriculture	8.43	8.78	7.38
Total Agricultural Production/Crops	8.48	8.80	7.15
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	na
Cotton	na	na	na
Other Field Crops	na	na	na
Vegetables and Melons	9.00	9.86	8.01
Total Fruits and Tree Nuts	7.97	7.93	7.06
Berries	na	na	na
Grapes	9.28	8.70	7.90
Tree Nuts	na	na	6.88
Citrus Fruits	na	na	na
Deciduous Tree Fruit	6.82	7.15	7.15
Other Fruits & Nuts	7.81	na	6.30
Total Horticultural Specialties	7.97	8.53	7.30
Ornamental Floral & Nursery	7.97	8.53	6.90
Food Crops Grown Under Cover	na	na	7.70
General Farm Primarily Crop	8.98	8.90	6.25
Agricultural Production/Livestock	7.82	8.37	7.65
Beef Cattle Feed Lots	na	9.47	na
Beef Cattle Except Feed Lots	7.47	7.83	8.23
Dairy Farms	7.93	8.14	7.02
Chicken Eggs	na	na	7.50
Turkey & Turkey Eggs	na	na	7.75
Other Livestock	8.05	8.04	7.73
Total Agricultural Services	8.99	9.18	7.34
Soil Preparation Services	9.20	9.99	na
Crop Services	8.91	8.55	7.50
Plant Cultivate & Protection	na	na	na
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	8.91	8.55	7.50
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.86	8.99	7.18
Farm Labor Contractors	8.16	8.31	6.50
Farm Management Services	9.55	9.66	7.85

na = not available

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Jun 1999	May 1999	Jun 1998
Total Agriculture	70.8	71.4	65.5
Total Agricultural Production/Crops	47.7	49.0	47.2
Cash Grains	0.1	0.1	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.1	0.1	0.1
Field Crops Except Grains	0.2	0.3	0.3
Cotton	0.0	0.0	0.1
Other Field Crops	0.2	0.3	0.2
Vegetables and Melons	7.5	5.3	7.6
Total Fruits and Tree Nuts	22.2	24.1	18.1
Berries	15.9	16.3	12.2
Grapes	0.9	0.7	2.1
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	1.0	1.3	1.9
Deciduous Tree Fruit	0.1	0.2	0.1
Other Fruits & Nuts	4.3	5.6	1.7
Total Horticultural Specialties	14.3	15.1	17.0
Ornamental Floral & Nursery	13.3	14.4	16.1
Food Crops Grown Under Cover	1.0	0.7	0.9
General Farm Primarily Crop	3.4	4.1	4.1
Agricultural Production/Livestock	0.7	4.6	1.9
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.1	0.3
Dairy Farms	0.0	0.0	0.2
Chicken Eggs	0.4	0.2	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.3	4.3	1.0
Total Agricultural Services	22.4	17.8	16.4
Soil Preparation Services	0.0	0.0	0.2
Crop Services	3.0	4.3	3.9
Plant Cultivate & Protection	0.1	0.2	0.6
Harvest Primarily by Machine	0.0	0.2	0.7
Preparation Services for Market	2.9	3.9	2.6
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	19.4	13.5	12.3
Farm Labor Contractors	15.4	12.0	11.1
Farm Management Services	4.0	1.5	1.2

Industry	Jun 1999	May 1999	Jun 1998
Total Agriculture	8.08	8.06	7.52
Total Agricultural Production/Crops	7.90	8.08	7.06
Cash Grains	7.59	7.89	6.92
Rice	na	na	na
Other Cash Grains	7.59	7.89	6.92
Field Crops Except Grains	8.39	8.21	6.66
Cotton	na	na	6.62
Other Field Crops	8.39	8.21	6.70
Vegetables and Melons	8.25	8.18	7.30
Total Fruits and Tree Nuts	7.70	8.15	6.84
Berries	8.29	8.70	6.99
Grapes	8.74	8.71	6.75
Tree Nuts	na	na	6.82
Citrus Fruits	7.74	8.29	7.60
Deciduous Tree Fruit	6.13	6.90	6.00
Other Fruits & Nuts	7.61	8.14	6.85
Total Horticultural Specialties	7.74	8.28	7.68
Ornamental Floral & Nursery	7.98	8.40	6.95
Food Crops Grown Under Cover	7.49	8.15	8.40
General Farm Primarily Crop	7.76	7.79	6.85
Agricultural Production/Livestock	8.04	8.20	7.92
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	8.63	8.18
Dairy Farms	na	na	8.50
Chicken Eggs	5.88	5.88	6.85
Turkey & Turkey Eggs	na	na	na
Other Livestock	10.20	10.10	8.15
Total Agricultural Services	8.30	7.89	7.58
Soil Preparation Services	na	na	8.25
Crop Services	8.43	8.07	7.70
Plant Cultivate & Protection	8.37	8.49	7.45
Harvest Primarily by Machine	na	7.75	7.85
Preparation Services for Market	8.49	7.96	7.80
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.16	7.72	6.78
Farm Labor Contractors	7.95	7.41	6.81
Farm Management Services	8.37	8.02	6.75

na = not available

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Jun 1999	May 1999	Jun 1998
Total Agriculture	219.5	217.9	231.9
Total Agricultural Production/Crops	86.3	94.2	88.8
Cash Grains	0.5	0.6	0.3
Rice	0.0	0.1	0.0
Other Cash Grains	0.5	0.5	0.3
Field Crops Except Grains	7.3	10.0	10.4
Cotton	1.9	4.5	7.4
Other Field Crops	5.4	5.5	3.0
Vegetables and Melons	21.5	25.3	6.9
Total Fruits and Tree Nuts	36.2	36.6	49.6
Berries	0.0	0.0	0.4
Grapes	18.4	16.8	24.2
Tree Nuts	3.4	4.8	5.6
Citrus Fruits	0.5	1.0	2.2
Deciduous Tree Fruit	6.4	6.8	12.9
Other Fruits & Nuts	7.5	7.2	4.3
Total Horticultural Specialties	2.1	3.3	3.9
Ornamental Floral & Nursery	2.0	2.5	3.7
Food Crops Grown Under Cover	0.1	0.8	0.2
General Farm Primarily Crop	18.7	18.4	17.7
Agricultural Production/Livestock	10.6	9.0	15.0
Beef Cattle Feed Lots	1.0	1.0	0.2
Beef Cattle Except Feed Lots	0.2	0.4	1.3
Dairy Farms	6.5	4.8	10.3
Chicken Eggs	0.7	0.5	0.6
Turkey & Turkey Eggs	0.7	0.4	0.6
Other Livestock	1.5	1.9	2.0
Total Agricultural Services	122.6	114.7	128.1
Soil Preparation Services	0.7	0.7	0.6
Crop Services	25.8	26.1	28.4
Plant Cultivate & Protection	2.3	3.0	4.5
Harvest Primarily by Machine	2.8	2.8	2.4
Preparation Services for Market	20.4	19.9	20.9
Cotton Ginning	0.3	0.4	0.6
Total Farm Labor & Management	96.1	87.9	99.1
Farm Labor Contractors	91.4	85.5	95.2
Farm Management Services	4.7	2.4	3.9

Industry	Jun 1999	May 1999	Jun 1998
Total Agriculture	7.63	7.67	7.52
Total Agricultural Production/Crops	7.64	7.49	6.95
Cash Grains	7.41	7.78	7.52
Rice	na	7.85	na
Other Cash Grains	7.41	7.70	7.52
Field Crops Except Grains	7.54	7.62	6.59
Cotton	7.78	7.67	6.52
Other Field Crops	7.29	7.56	6.65
Vegetables and Melons	6.92	7.22	7.12
Total Fruits and Tree Nuts	7.60	7.28	6.46
Berries	na	na	6.50
Grapes	7.08	6.36	6.50
Tree Nuts	7.54	7.45	6.40
Citrus Fruits	8.77	8.47	7.13
Deciduous Tree Fruit	7.13	6.75	5.75
Other Fruits & Nuts	7.47	7.35	6.47
Total Horticultural Specialties	8.67	8.02	7.68
Ornamental Floral & Nursery	8.97	8.82	7.35
Food Crops Grown Under Cover	8.37	7.22	8.00
General Farm Primarily Crop	7.72	7.06	6.35
Agricultural Production/Livestock	7.30	7.50	7.57
Beef Cattle Feed Lots	8.68	8.63	7.25
Beef Cattle Except Feed Lots	7.49	7.44	8.80
Dairy Farms	8.34	8.74	7.72
Chicken Eggs	6.21	6.66	7.25
Turkey & Turkey Eggs	5.90	6.03	7.50
Other Livestock	7.20	7.51	6.91
Total Agricultural Services	7.95	8.03	8.05
Soil Preparation Services	8.11	8.35	9.70
Crop Services	8.56	8.57	8.04
Plant Cultivate & Protection	7.39	7.79	7.90
Harvest Primarily by Machine	8.64	8.95	9.11
Preparation Services for Market	7.66	7.33	6.90
Cotton Ginning	10.55	10.19	8.26
Total Farm Labor & Management	7.17	7.17	6.41
Farm Labor Contractors	6.54	6.40	6.21
Farm Management Services	7.79	7.93	6.60

na = not available

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 1999	May 1999	Jun 1998
Total Agriculture	24.7	29.6	29.9
Total Agricultural Production/Crops	15.8	21.3	19.8
Cash Grains	0.6	1.4	2.0
Rice	0.6	1.1	1.6
Other Cash Grains	0.0	0.3	0.4
Field Crops Except Grains	2.3	3.0	1.1
Cotton	0.0	1.2	0.0
Other Field Crops	2.3	1.8	1.1
Vegetables and Melons	3.7	4.8	3.0
Total Fruits and Tree Nuts	6.0	7.3	7.9
Berries	0.0	0.0	0.0
Grapes	1.0	1.0	1.0
Tree Nuts	2.7	2.2	2.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	1.9	3.7	3.7
Other Fruits & Nuts	0.4	0.4	1.0
Total Horticultural Specialties	0.4	1.2	1.9
Ornamental Floral & Nursery	0.4	1.2	1.7
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	2.8	3.6	3.9
Agricultural Production/Livestock	0.9	1.1	1.8
Beef Cattle Feed Lots	0.0	0.1	0.0
Beef Cattle Except Feed Lots	0.3	0.3	0.6
Dairy Farms	0.3	0.3	0.6
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.3	0.4	0.6
Total Agricultural Services	8.0	7.2	8.3
Soil Preparation Services	0.0	0.0	0.1
Crop Services	2.3	2.6	2.6
Plant Cultivate & Protection	0.9	1.0	0.8
Harvest Primarily by Machine	0.0	0.0	0.4
Preparation Services for Market	1.4	1.6	1.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	5.7	4.6	5.6
Farm Labor Contractors	5.5	4.6	5.2
Farm Management Services	0.2	0.0	0.4

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Jun 1999	May 1999	Jun 1998
Total Agriculture	7.84	7.88	7.23
Total Agricultural Production/Crops	7.76	7.75	7.06
Cash Grains	8.28	7.96	7.28
Rice	8.28	8.17	7.20
Other Cash Grains	na	7.74	7.35
Field Crops Except Grains	7.93	7.38	7.40
Cotton	na	6.52	na
Other Field Crops	7.93	8.24	7.40
Vegetables and Melons	7.40	7.97	7.70
Total Fruits and Tree Nuts	7.62	7.38	6.42
Berries	na	na	na
Grapes	7.48	7.88	6.60
Tree Nuts	8.08	8.03	6.56
Citrus Fruits	na	na	na
Deciduous Tree Fruit	7.74	6.95	6.30
Other Fruits & Nuts	7.18	6.65	6.20
Total Horticultural Specialties	7.99	7.98	7.50
Ornamental Floral & Nursery	7.99	7.98	7.20
Food Crops Grown Under Cover	na	na	7.80
General Farm Primarily Crop	7.36	7.85	6.39
Agricultural Production/Livestock	8.16	8.42	7.37
Beef Cattle Feed Lots	na	9.03	na
Beef Cattle Except Feed Lots	8.49	8.43	8.14
Dairy Farms	8.53	8.79	7.06
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.47	7.42	6.90
Total Agricultural Services	7.58	7.49	7.28
Soil Preparation Services	na	na	8.25
Crop Services	7.98	8.51	7.55
Plant Cultivate & Protection	8.06	9.19	7.50
Harvest Primarily by Machine	na	na	7.75
Preparation Services for Market	7.90	7.83	7.40
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.18	6.46	6.04
Farm Labor Contractors	6.30	6.46	6.17
Farm Management Services	8.06	na	5.90

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **March 1999 Agricultural Services employment data have been adjusted to reflect a recalculation of the survey sample results. Historical trend information was used to adjust sample data because of a low response rate. February 1999 Agricultural Services employment data were similarly adjusted.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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